

<b>Group Number and Name</b>	<b>Dec14-12</b>
<b>Client/Advisor</b>	<b>Bong Wie</b>
<b>Attendees/Role</b>	<b>Sean Nichols/Leader, Chi Hoe How/Communication, Yishu Mei/Webmaster/ Meng Lu/Advisor</b>

### Past Week Accomplishments

- Regrouped and rethought our plan and did a progress check with the team
- **Sean** - Started work on hardware implementation after looking into it.
- **Chi Hoe/Yishu** - Looked more into stepper motor acceleration algorithms for smoother and easier control

### Plan for Coming Week

- **Sean** - Begin to assemble higher level logic blocks that are key to operation of a K-means algorithm. These include :
  - Distance calculator
  - Min finder
  - Grouper
  - Accumulator
  - Averager
  - Various FSMs
- **Yishu / Chi Hoe** - Find a way to get the stepper motor to run more smoothly.
- **Chi Hoe** - Get AXI4-Stream passthrough module to work and insert into current video processing pipeline to show that it works.

### Pending Issues

- We need a more stable acceleration of the stepper motor!
- The hardware design process is a very slow one. There is still much to do past what has already been created.

### Individual Hourly Contributions

<u>Name</u>	<u>Hours this week</u>	<u>Hours Cumulative</u>
Sean Nichols	10	65
Chi Hoe How	6	44
Yishu Mei	8	46

[Comments and Extended Discussions](#)

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